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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/070,560A

DATE: 10/17/2003
TIME: 14:50:30

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Output Set: N:\CRF4\10172003\J070560A.raw

3 <110> APPLICANT: Entremed, Inc.
4 Liang, Hong
5 Sim, Kim Lee
6 Chang-Murad, Amy
7 Zhou, Xinhua
8 Madsen, John
9 Boerner, Renee J.
10 Bermejo, Lourdes L.
11 Mistry, Firoz Rustom
12 Shepard, Scott R.
13 Schrimsher, Jeffrey L.
15 <120> TITLE OF INVENTION: Method of Producing and Purifying Endostatin Protein
17 <130> FILE REFERENCE: 05213-0551US (43170-258385)
19 <140> CURRENT APPLICATION NUMBER: US 10/070,560A
C--> 20 <141> CURRENT FILING DATE: 2003-03-18
22 <150> PRIOR APPLICATION NUMBER: 60/153,698
23 <151> PRIOR FILING DATE: 1999-09-14
25 <150> PRIOR APPLICATION NUMBER: PCT/US00/25166
26 <151> PRIOR FILING DATE: 2000-09-14
28 <160> NUMBER OF SEQ ID NOS: 12
30 <170> SOFTWARE: PatentIn version 3.1
32 <210> SEQ ID NO: 1
33 <211> LENGTH: 35.
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Synthetic primer
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45 <211> LENGTH: 30
46 <212> TYPE: DNA
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49 <220> FEATURE:
50 <223> OTHER INFORMATION: Synthetic primer
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57 <211> LENGTH: 183
58 <212> TYPE: PRT
59 <213> ORGANISM: Homo sapiens
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68	20	25	30	
71	Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ala Gly Thr Phe Arg Ala			
72	35	40	45	
75	Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala			
76	50	55	60	
79	Asp Arg Ala Ala Val Pro Ile Val Asn Leu Lys Asp Glu Leu Leu Phe			
80	85	70	75	80
83	Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly Pro Leu Lys Pro			
84	85	90	95	
87	Gly Ala Arg Ile Phe Ser Phe Asp Gly Lys Asp Val Leu Arg His Pro			
88	100	105	110	
91	Thr Trp Pro Gln Lys Ser Val Trp His Gly Ser Asp Pro Asn Gly Arg			
92	115	120	125	
95	Arg Leu Thr Glu Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ser			
96	130	135	140	
99	Ala Thr Gly Gln Ala Ser Ser Leu Leu Gly Gly Arg Leu Leu Gly Gln			
100	145	150	155	160
103	Ser Ala Ala Ser Cys His His Ala Tyr Ile Val Leu Cys Ile Glu Asn			
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121	gggctggcggt gcaccttccg cgccttcctg tcctcgcgc tgcaaggacct gtacagcatc	180		
123	gtgcgcgtg ccgaccgcgc agccgtgccc atcgtcaacc tcaaggacga gctgctgttt	240		
125	cccagctggg aggctctgtt ctcaggctct gagggtccgc tgaagcccg ggcacgcac	300		
127	ttctccctttg acggcaagga cgtcctgagg caccccacct ggccccagaa gagcgtgtgg	360		
129	catggctcgg accccaacgg ggcaggctg accgagagct actgtgagac gtggcggacg	420		
131	gaggctccct cggccacggg ccaggcctcc tcgctgctgg gggcaggt cctggggcag	480		
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150	20	25	30	
153	Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ala Gly Thr Phe Arg Ala			
154	35	40	45	

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157 Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala
158 50 55 60
161 Asp Arg Ala Ala Val Pro Ile Val Asn Leu Lys Asp Glu Leu Leu Phe
162 65 70 75 80
165 Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly Pro Leu Lys Pro
166 85 90 95
169 Gly Ala Arg Ile Phe Ser Phe Asp Gly Lys Asp Val Leu Arg His Pro
170 100 105 110
173 Thr Trp Pro Gln Lys Ser Val Trp His Gly Ser Asp Pro Asn Gly Arg
174 115 120 125
177 Arg Leu Thr Glu Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ser
178 130 135 140
181 Ala Thr Gly Gln Ala Ser Ser Leu Leu Gly Gly Arg Leu Leu Gly Gln
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185 Ser Ala Ala Ser Cys His His Ala Tyr Ile Val Leu Cys Ile Glu Asn
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189 Ser Phe Met Thr Ala Ser
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208 Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ala Gly Thr Phe Arg Ala
209 35 40 45
212 Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala
213 50 55 60
216 Asp Arg Ala Ala Val Pro Ile Val Asn Leu Lys Asp Glu Leu Leu Phe
217 65 70 75 80
220 Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly Pro Leu Lys Pro
221 85 90 95
224 Gly Ala Arg Ile Phe Ser Phe Asp Gly Lys Asp Val Leu Arg His Pro
225 100 105 110
228 Thr Trp Pro Gln Lys Ser Val Trp His Gly Ser Asp Pro Asn Gly Arg
229 115 120 125
232 Arg Leu Thr Glu Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ser
233 130 135 140
236 Ala Thr Gly Gln Ala Ser Ser Leu Leu Gly Gly Arg Leu Leu Gly Gln
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240 Ser Ala Ala Ser Cys His His Ala Tyr Ile Val Leu Cys Ile Glu Asn
241 165 170 175
244 Ser Phe Met Thr Ala
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251 <213> ORGANISM: Homo sapiens
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263 Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ala Gly Thr Phe Arg Ala
264 35 40 45
267 Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala
268 50 55 60
271 Asp Arg Ala Ala Val Pro Ile Val Asn Leu Lys Asp Glu Leu Leu Phe
272 65 70 75 80
275 Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly Pro Leu Lys Pro
276 85 90 95
279 Gly Ala Arg Ile Phe Ser Phe Asp Gly Lys Asp Val Leu Arg His Pro
280 100 105 110
283 Thr Trp Pro Gln Lys Ser Val Trp His Gly Ser Asp Pro Asn Gly Arg
284 115 120 125
287 Arg Leu Thr Glu Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ser
288 130 135 140
291 Ala Thr Gly Gln Ala Ser Ser Leu Leu Gly Gly Arg Leu Leu Gly Gln
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304 <211> LENGTH: 179
305 <212> TYPE: PRT
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308 <400> SEQUENCE: 8
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315 20 25 30
318 Ala Arg Ala Val Gly Leu Ala Gly Thr Phe Arg Ala Phe Leu Ser Ser
319 35 40 45
322 Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala Asp Arg Ala Ala
323 50 55 60
326 Val Pro Ile Val Asn Leu Lys Asp Glu Leu Leu Phe Pro Ser Trp Glu
327 65 70 75 80
330 Ala Leu Phe Ser Gly Ser Glu Gly Pro Leu Lys Pro Gly Ala Arg Ile
331 85 90 95
334 Phe Ser Phe Asp Gly Lys Asp Val Leu Arg His Pro Thr Trp Pro Gln
335 100 105 110
338 Lys Ser Val Trp His Gly Ser Asp Pro Asn Gly Arg Arg Leu Thr Glu
339 115 120 125
342 Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ser Ala Thr Gly Gln

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343	130	135	140	
346	Ala Ser Ser Leu Leu Gly Gly Arg Leu Leu Gly Gln Ser Ala Ala Ser			
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382	gaccgcgcag ccgtgcccatt cgtcaacctc aaggacgagc tgctgttcc cagctggag		240	
384	gctctgttct caggctctga gggtccgcgtg aagcccgggg cacgcacatctt ctcccttgac		300	
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388	cccaacgggc gcaggctgac cgagagctac tgtgagacgt ggccggacgga ggctccctcg		420	
390	gccacgggcc aggccttcctc gctgctgggg ggcaggctcc tggggcagag tgccgcgagc		480	
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407	20	25	30	
410	Ala Arg Ala Val Gly Leu Ala Gly Thr Phe Arg Ala Phe Leu Ser Ser			
411	35	40	45	
414	Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala Asp Arg Ala Ala			
415	50	55	60	
418	Val Pro Ile Val Asn Leu Lys Asp Glu Leu Leu Phe Pro Ser Trp Glu			
419	65	70	75	80
422	Ala Leu Phe Ser Gly Ser Glu Gly Pro Leu Lys Pro Gly Ala Arg Ile			
423	85	90	95	
426	Phe Ser Phe Asp Gly Lys Asp Val Leu Arg His Pro Thr Trp Pro Gln			
427	100	105	110	
430	Lys Ser Val Trp His Gly Ser Asp Pro Asn Gly Arg Arg Leu Thr Glu			
431	115	120	125	

VERIFICATION SUMMARY

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Input Set : A:\Sequence.txt

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